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— The Bureau of ethnology has just received a copy of Duruy's photographic reproduction of the Maya Codex, known as the 'Manuscript dit Mexicain, or Codex peresianus.' According to Dr. Brinton, only ten copies of this work were issued, one of which is in his library. The one received by the bureau is, therefore, the second which has found its way to this country.

— The more prominent geographers deceased in the year 1882 are: Antinori, known for his travels in Africa; Crevaux, supposed to have been killed by Indians while descending the Pilcomayo; Darwin, who began his great work by a voyage around the world; Delitsch, most widely known as editor of *Aus allen welttheilen*; Desor, whose work was chiefly geological, in Switzerland and this country; Gill, an explorer of inner China, massacred with Palmer, by the Arabs on the Sinai peninsula; Lütke, the Russian navigator; Parish, author of works on the Argentine Republic; Petherick, an early explorer of the upper Nile; Nain Singh, the most celebrated traveller of the Indian pundits; Rawson, a member of the recent English arctic expedition under Nares, who died from wounds received at Tel-el-Kebir; Rodgers, of our navy, an explorer of the northern Pacific and Arctic; H. v. Schlagintweit-Sakünlinski, one of the three brothers widely known for their explorations in the Alps, and later in India and central Asia; Wyville Thomson, chief of the scientific staff of the Challenger; and Warren, of our engineer department.

— The zoological gardens at Cincinnati seem to be in a flourishing condition. The receipts for 1882 were nearly \$50,000 (\$3,418 in excess of expenditures), of which nearly \$30,000 came from gate-money. The animals on exhibition numbered nearly 800; and among those bred in the garden during the year were grizzly bears, the zebu, the bison, and half a dozen kinds of deer.

— In SCIENCE, p. 266, column 1, line 8, for 'dollars' read 'shillings.'

### RECENT BOOKS AND PAMPHLETS.

**Behrens, Wilhelm.** Hilfsbuch zur ausführung mikroskopischer untersuchungen im botanischen laboratorum. Braunschweig, *Schwetschke*, 1883. 12+398 p., illustr. 8°.

**Boudet de Paris, M.** Des applications du téléphone et du microphone à la physiologie et à la clinique. Paris, *Henry*, 1880. 11+171 p. 8°.

**Brass, Arnold.** Zur kenntniss der eibildung und der ersten entwicklungsstadien bei den viviparen aphiden. Halle, *Schwetschke*, 1883. 40 p., illustr. 8°.

**Cavallero, Agostino.** Le macchine a vapore, il materiale e l'esercizio tecnico delle strade ferrate: termo-dinamica-aerodinamica. Forino, *tip. Camilla e Bertolero*, 1883. 24+705 p., illustr. 8°.

**Claparède, Alexandre.** Quelques nouvelles kètones aromatiques obtenues par condensation moléculaire. Dissertation présentée à la faculté des sciences de l'université de Genève. Genève, *Georg*, 1882. 63 p. 8°.

**Compagnie internationale des téléphones.** Situation des réseaux téléphoniques. Paris, *Dupont*, 1883. 53 p. 4°.

**Deutsche botanische gesellschaft.** Berichte. i. heft. Berlin, *Bornträger*, 1883. 56 p. 8°.

**Duciau.** La science vulgarisée. L'éclairage au gaz et la lampe de sûreté, leçons populaires mises au niveau de la science moderne. Limoges, *Ardant*, 1883. 143 p. 8°.

— *The same.* Les cristaux et la cristallisation. Limoges, *Ardant*, 1883. 144 p. 8°.

**Entomological papers** from the transactions of the Iowa state horticultural society for the year 1882. Des Moines, *Mills pr.*, 1883. 42 p. 8°.

**Filachon, J. E.** Principes de cosmologie. Paris, *Durand et Pedone-Lavriel*, 1883. 87 p., illustr. 12°.

**Girard, M.** Les insectes. Traité élémentaire d'entomologie. Tom. iii. fasc. i. Hyménoptères tébrants; macrolépidoptères. Paris, *Batllière*, 1883. 640 p., illustr. 8°.

**Godefroy-Lebeuf et Bois.** Les plantes vivaces de la maison Lebeuf, ou Liste des espèces les plus intéressantes cultivées dans cet établissement, avec quelques renseignements sur leur culture, etc. Argenteuil, *Godefroy-Lebeuf*, 1883. 180 p., illustr. 18°.

**Graham, R.** Algebraic factors: Resolution of elementary algebraic expressions into simple factors by easy methods; with numerous examples and exercises. Dublin, *Pousonby*, 1883. 100 p. 12°.

**Grégoire, L.** Nueva geografía universal. Traducida y ampliada por D. Nicolas Estevanez. Tom. i. Paris, *Garnier*, 1883. 8+799 p., illustr. 4°.

**Guvard, S.** Melanges d'assyriologie, notes de lexicographie assyrienne, suivies d'une étude sur les inscriptions de Vau. Paris, *Maisonneuve*, 1883. 2+148 p. 8°.

**Jouffret, E.** Introduction à la théorie de l'énergie. Paris, *Gauthier-Villars*, 1883. 200 p. 8°.

**Klein, D.** Sur les acides borotungstiques. Paris, *Gauthier Villars*, 1883. 87 p. 4°.

**Krieg, Otto.** Die dobschauer eishöhle u. gletscherspuren im Riesengebirge. Vortrag in der aula d. gymnasiums zu Hirschberg am Jan. 22. Hirschberg, *Richter*, 1883. 39 p. 8°.

**Kruger, Paul.** Rotations- und pendelbewegung eines körpers in einer flüssigkeit. Inaugural dissertation. Danzig, 1882. 42 p. 8°.

**Martin, H. N., and others.** Lectures delivered to the employees of the Baltimore and Ohio Railroad Company, by Prof. H. Newell Martin and Drs. Henry Sewall, William T. Sedgwick, and William K. Brooks. Baltimore, *Friedenwald pr.*, 1882. 98 p., illustr. 8°.

**Meyer, Loth, u. Seubert, Karl.** Atomgewichte der elemente aus den originalzahlen neu betrachtet. Leipzig, *Breitkopf & Härtel*, 1883. 10+245 p. 8°.

**Moncel, Count Th. du.** Elements of construction for electro-magnets. Translated from the French by C. J. Wharton. London and N. Y., *Spon*, 1883. 90 p. 8°.

**Munker, J. G.** Grundsätze der electrodynamik, synthetisch hergeleitet u. experimentell geprüft. Nürnberg, *v. Ebner*, 1883. 4+27 p., illustr. 8°.

**New Jersey**—Geological survey. A topographical map of a part of northern New Jersey, from surveys and levellings made and local surveys corrected by George W. Howell and C. C. Vermeule upon a projection made by the U. S. coast and geodetic survey. *Bien, lith*, 1882. Scale, 1 m. to 1 in. 87.5×88.5 cm.

**Orchauski.** Recherches craniologiques sur une série de crânes d'assassins. Paris, *Hennayer*, 1883. 13 p. 8°.

**Reade, A. A.** Study and stimulants; or, the Use of intoxicants and narcotics in relation to intellectual life as illustrated by personal communications on the subject from men of letters and science. Manchester, *Heywood*, 1883. 204 p. 8°.

**Sbriziolo, Marco.** Trattato di chimica analitica qualitativa e quantitativa. Napoli, *Eschera*, 1883. 574 p. 16°.

— *Trattato di chimica generale inorganica ed organica*, esposto sotto il punto di vista della dottrina moderna. Napoli, 1883. Illustr. 8°.

**Schiaparelli, G. V.** Misure di alcune principali stelle doppie di rapido movimento orbitale. Milano, *tip. Lombardi*, 1883. 43 p. 8°.

**Science nouvelle (La).** Red. Adolphe Bitard. 1re ann. no. 1, Mars 15. Paris, 1883. 8 p., illustr. 8°.

**Seaton, A. E.** A manual of marine engineering: comprising the designing, construction, and working of marine machinery. London, 1883. 446 p., illustr. 8°.

**Ulmi, K.** Populäre mittheilungen über heizung und ventilation. Mit vorschlägen zur einföhrung der antiken heizungs- und ventilationsmethode, zum gebrauch für hausbesitzer, anstaltsvorsteher, und bauhandwerker. Bern, *Krebs*, 1883. 144 p. 8°.

**United States geological survey.** Bulletin No. 1. Washington, *Government*, 1883. 42 p., 2 pl. 8°.

**Vicentini, Giuseppe.** Gli elettromagneti. Roma, *tip. Cecchini*, 1882. 45 p. 8°.